

BATT-CHARGER

Bill of Materials

2023-08-23 :: Rev 1 :: LibTec.org

Reference	Value	Description	Manufacturer	MPN	Mouser #
C1, C2, C3	4u7	X7R, 16 VDC, 10%	Murata	GRM21BR71C475KE51K	81-GRM21BR71C475KE1K
D1	RED	30 mA, 2 V, 631 red	Lite-On	LTST-C171KRKT	859-LTST-C171KRKT
D2	GREEN	30 mA, 2 V, 571 green	Lite-On	LTST-C171KGKT	859-LTST-C171KGKT
D3	YELLOW	30 mA, 2 V, 589 yellow	Lite-On	LTST-C171KSKT	859-LTST-C171KSKT
J1	USB4125	6 P, 3 A	GCT	USB4125-GF-A	640-USB4125-GF-A
J2, J3	HDR_1x04_0.1"	straight, 6.00 mm, 3.00 mm, gold	Wurth	61300411121	710-61300411121
J4, J5	HDR_1x02_0.1"	straight, 6.00 mm, 3.00 mm, gold	Wurth	61300211121	710-61300211121
J6	HDR_440055-2	P2 mm, angled, shrouded	TE Connectivity	440055-2	440055-2
R1	294k	125 mW, 1%	Yageo	RC0805FR-07294KL	603-RC0805FR-07294KL
R2, R8, R9, R10	110k	125 mW, 1%	Yageo	RC0805FR-07110KL	603-RC0805FR-07110KL
R3, R5, R6, R7	1k	250 mW, 1%	Yageo	RC0805FR-7W1KL	603-RC0805FR-7W1KL
R4	10k	125 mW, 1%	Yageo	RC0805FR-0710KL	603-RC0805FR-0710KL
R11, R12	5k1	125 mW, 1%	Yageo	RC0805FR-075K1L	603-RC0805FR-075K1L
SW1	SW_DIP_x03	100 mA, 50 VDC	CTS	210-3MS	774-2103MS
U1	MCP73871-2CCI/ML	5 VIN, 1 AOUT	Microchip	MCP73871-2CCI/ML	579-MCP73871-2CCI-ML